

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 15.06.2010

Revision: 15.06.2010

1 Identification of substance:

- **Product details:**
- **Trade name:** Plastisol Standard green
- **Article number:** 203098
- **Application of the substance / the preparation** Electroplating auxiliary
- **Manufacturer/Supplier:**
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Raiffeisenstr. 12
D-75236 Kämpfelbach
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
2 Hazards identification

- **Hazard designation:** not applicable
- **Information pertaining to particular dangers for man and environment**
R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **Classification system**
The classification was made according to the EC-lists, latest edition, company and literature data have also been used.
- **GHS label elements**
H412 - Harmful to aquatic life with long lasting effects.
- **Prevention:**
P273 Avoid release to the environment.
- **Disposal:**
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

3 Composition/information on ingredients

- **Chemical characterization**
PVC-based plastisol: dispersion of PVC-powder and pigments in plasticizer
- **Description:** Mixture of the substances listed below and harmless substances.

• **Dangerous components:**

CAS: 28553-12-0 EINECS: 249-079-5	di-"isononyl" phthalate	30-50%
CAS: 25168-21-2 EINECS: 246-701-7	Di-n-Butylzinn-Maleinsäurehalbester  Xn,  Xi,  N; R 20/21/22-36/38-50/53 Warning:  4.1.A/1, 4.1.C/1;  3.1.O/4, 3.1.D/4, 3.1.I/4, 3.2/2, 3.3/2	< 1%

- **Additional information** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **General information** No special measures required.
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact** Rinse opened eye for several minutes under running water.

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- **After swallowing** In case of persistent symptoms consult doctor.

5 Fire fighting measures

- **Suitable extinguishing agents**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol-resistant foam.
- **Special hazards caused by the material, its products of combustion or resulting gases:**
Can be released in case of fire :
Hydrogen chloride (HCl)
- **Protective equipment:** Put on breathing apparatus.
- **Additional information** Cool endangered containers with water spray jet.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective clothing.
- **Measures for environmental protection:** No special measures required.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of contaminated material as waste according to item 13.
- **Additional information:** No dangerous materials are released.

7 Handling and storage

- **Handling**
- **Information for safe handling:** Store in cool, dry place in tightly closed containers.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **Components with limit values that require monitoring at the workplace:**

28553-12-0 di-"isononyl" phthalate

WEL Long-term value: 5 mg/m³

- **Additional information:** The lists that were valid during the compilation were used as basis.

- **Personal protective equipment**

- **General protective and hygienic measures**

The usual precautionary measures should be adhered to general rules for handling chemicals.

Keep away from foodstuffs, beverages and food.

Wash hands during breaks and at the end of the work.

- **Breathing equipment:** Not necessary if room is well-ventilated.

- **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore

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- to be checked prior to the application.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses recommended during refilling.
- **Body protection:** suitable clothing

9 Physical and chemical properties:

• General Information

Form:	Fluid
Colour:	Green
Odour:	Mild

• Change in condition

Melting point/Melting range: Not determined
Boiling point/Boiling range: Material gelatinates

• **Flash point:** Not applicable

• **Ignition temperature:** 420°C

• **Self-inflammability:** Product is not selfigniting.

• **Danger of explosion:** Product is not explosive.

• **Specific gravity at 20 °C:** 1.23 g/cm³

• Solubility in / Miscibility with

Water: Not miscible or difficult to mix

• Viscosity:

dynamic at 20 °C: 1600 mPas (RV20)

10 Stability and reactivity

• Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

• Materials to be avoided:

• **Dangerous reactions** No dangerous reactions known

• **Dangerous products of decomposition:** No dangerous decomposition products known

11 Toxicological information

• Acute toxicity:

• Primary irritant effect:

• **on the skin:** No irritant effect.

• **on the eye:** No irritant effect.

• **Sensitization:** No sensitizing effect known.

12 Ecological information:

• Ecotoxicological effects:

• **Remark:** Harmful to fish

• Additional ecological information:

• General notes:

Do not allow product to reach ground water, water bodies or sewage system.

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Harmful to aquatic organisms

Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

13 Disposal considerations

- **Product:**
- **Recommendation** Must be specially treated under adherence to official regulations.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID-GGVS/E Class:** -

- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** No

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

- **UN "Model Regulation":** -
- **Transport/Additional information:** Not dangerous according to the above specifications.

15 Regulatory information

- **Designation according to EC guidelines:**
Observe the normal safety regulations when handling chemicals
The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials
- **Risk phrases:**
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **Safety phrases:**
60 This material and its container must be disposed of as hazardous waste.
61 Avoid release to the environment. Refer to special instructions/safety data sheets.
- **National regulations**

Class	Share in %
III	33.0
- **Water hazard class:**
Water hazard class 2 (German Regulation) (Self-classification): hazardous for water.

16 Other information:

The information contained herein is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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· Relevant R-phrases

20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

36/38 Irritating to eyes and skin.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· Department issuing MSDS: Product Safety Department**· Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

· * Data compared to the previous version altered.

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